

Sustainability & Responsible Sourcing Benefits of WoolGuard

Traditional grease management relies on reactive cleaning with harsh chemicals and high water use, sending contaminated fats, oils, and grease (FOG) downstream into waste systems.

WoolGuard® Hood Filters capture grease at source, helping reduce FOG entering systems while lowering environmental impact and supporting ESG goals.

Environmental & Supply Chain Benefits



Biodegradable
natural
material



Responsible
sourcing



Ecological outcome
verified



No harsh
chemicals/high
water usage



Renewable
resource

High-performance grease capture with responsible sourcing and verified ecological outcomes.

From Farm to Filter

WoolGuard wool is sourced through **The Woolkeepers®** from Responsible Wool Standard certified farms. The farms are Ecological Outcome Verified through the Savory Institute, with outcomes tracked across biodiversity, soil health, water function and carbon. The community raises standards and supports sustainable long-term pricing for wool growers.

Why Wool Works

The unique structure of wool fibres allows them to **trap airborne particles** while **maintaining airflow** through the filter media. As a renewable material, wool offers an **environmentally responsible alternative to synthetic filtration media**.

In natural soil conditions, wool can begin to **biodegrade within about 30 days*** through microbial activity.



Moisture & Grease Capture

Wool fibres naturally attract and trap moisture and grease at source



Maintains Airflow

Captures contaminants while allowing consistent airflow through the filter



Naturally Fire Retardant

Resists ignition and self-extinguishes, supporting safer systems



Oleophilic by Nature

Wool fibres naturally attract and trap moisture and grease at source

Where natural performance meets engineered protection.

Biodegradation timeframes depend on disposal conditions. Certification and verification relate to the wool supply chain and farm-level ecological outcomes.

Find out more

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WOOL DOESN'T JUST COME FROM THE EARTH.
IT GIVES BACK TO IT, TOO.

Natural Breakdown of Wool



Woolmark buried a jumper for 100 days. Here's what happened...



DAY 1 - 50

Microbes colonised the surface, weakening the fibres. Yellowing appeared as enzymes broke down proteins and oils oxidized.



DAY 50 - 150

Green moss-like growth developed, feeding on released nutrients.



DAY 150 - 190

Mushrooms emerged, drawing energy from the decomposing jumper.



DAY 190 - 219

The fabric structure collapses into loose fibres, mineralizing into soil nutrients.

Wool fibres are biodegradable.

While synthetic materials degrade and fragment into microplastics, 100% wool biodegrades and returns to earth.

Find out more

woolguard.com | info@woolguard.com



WoolGuard
HOOD FILTERS

Ready to see if WoolGuard is right for your kitchen?

Contact us to discover if WoolGuard is a good
fit for you.

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WoolGuard®

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